

8. (Amended) A test system for determining the losses of a fiber-optic component, said system comprising:

an optical source (1D) capable of emitting at least one electromagnetic pulse;

a photoreceiver (20) capable of measuring characteristics of an electromagnetic pulse emitted by said optical source (1D) and transmitted by a fiber-optic component (19, 21); and

data acquisition, storage and processing means (22, 24)

which receive the measurements generated by said photoreceiver

(20) for said fiber-optic component (19) to be tested and for a reference fiber-optic component (21) and which determine, on the basis of these measurements, the losses of said fiber-optic component (19) to be tested,

characterized in that said optical source comprises the emitter
(1D) specified under claim 1

10. (Amended) The use of the emitter specified under claim
1, in order to determine the value of at least one characteristic
parameter of a fiber-optic component, in which use:

a) at least one electromagnetic pulse is generated, which is emitted into said fiber-optic component (19);

B7
b) measurements relating to said electromagnetic pulse transmitted by said fiber-optic component (19) are carried out; and

A2
CDN/AD
c) said characteristic parameter is determined at least from said measurements,

characterized in that, in step a), an electromagnetic pulse train is generated by means of said emitter, at least some of the electromagnetic pulses of which have different values for at least one optical characteristic, and in that, in step c), the value of said characteristic parameter is determined for each of said different electromagnetic pulses of said pulse train.